



Auteldac 102

Intrinsically Safe Mine Telephone



- Full 15 button keypad, plus Emergency push button operation
- DTMF/LD dialling and recall options
- Intrinsically safe
- No moving parts
- Wall mounting, simple installation
- Rugged and weather resistant to IP65
- Robust handset - curly or armoured cord
- Large tactile buttons, easy to see and operate

The Auteldac 102 intrinsically safe mine push button telephone forms part of a system complete with its surface interface.

It is purpose-designed for underground coal mining installation and is tough, weather resistant and built to withstand operator abuse in environmental extremes.

The Auteldac 102 is made from conductive glass filled polyester with a robust handset and armoured steel or curly cord. The piezo electric ringer gives over 85 dB SPL for ringing and emergency calls.

Operation is simple, with finger guide holes to eliminate mis-dialling even when wearing thick gloves. A dedicated 'EMERGENCY' button operates an alert (to an Emergency Desk, if fitted), or can be pre-programmed to dial an emergency number.

Internal links provide three recall options and LD/MF dialling to enable automatic connection via a surface interface to PABX and PAX/PBX surface exchanges. All exchange facilities can be accessed when using the star, hash and recall buttons when tone dialling is selected.

The recall button provides all the usual facilities.

Time-out is standard and should the handset be left off-hook, the Auteldac 102 will automatically revert to normal on-hook status after a period of three minutes (programmable).

The all electronic internal module is conformal coated for reliability. An easily accessible Ni-MH battery provides the internal operating supply and is trickle charged from the surface interface down the telephone line.

Connection is via a simple twisted pair cable that can be contained within a multi-core if required. Up to three telephones can be connected for 'party line' working from the line pair by a four-core link.

An auxiliary ('AUX') output allows connection of additional beacons or ringers powered either from their own supply or the telephone battery (subject to certification conditions).

TECHNICAL SPECIFICATION

Controls:

- Press to Dial/Accept call
- Keypad dialling
- Press to Recall
- Press for Emergency

Operating Power:

8.4V dc from internal 600 mAh Ni-MH rechargeable battery module, charged from the line @ 24V dc at 10mA.

Operating Current(from battery):
100mA nominal (ringing).

Ring Tone:

Shrill warble tone, 85dBA @ 1m.

Time Out:

Enforces a fixed call maximum time limit to three minutes from lifting of the handset and can be software configured for other durations.

A call can be extended by pressing the Dial/Accept button at any time.

The telephone provides warning tones in the earpiece prior to call termination.

Recall Button:

Internally switchable from Delay Time Out, Timed Break Recall or Hook Flash.

Power Supply:

Internal battery, charged from surface interface via the telephone line.

Operating Temperatures:

-20°C to +55°C.

Relative Humidity:

To 95% (non-condensing).

Casing Material:

Carbon loaded glass-filled polyester.

Handset Material:

Polycarbonate.

Keypad:

Weathersealed tactile digital keypad.

Degree of Protection:

IP65.

Weight:

2.5kg approximately

APPROVALS

Complies with EN50 014/020

ORDER CODE

Please call or visit www.gai-tronics.co.uk

NOTE

Outside of Europe new units can be purchased. Within Europe these items are only available for spares and repairs

